

FIG. 1

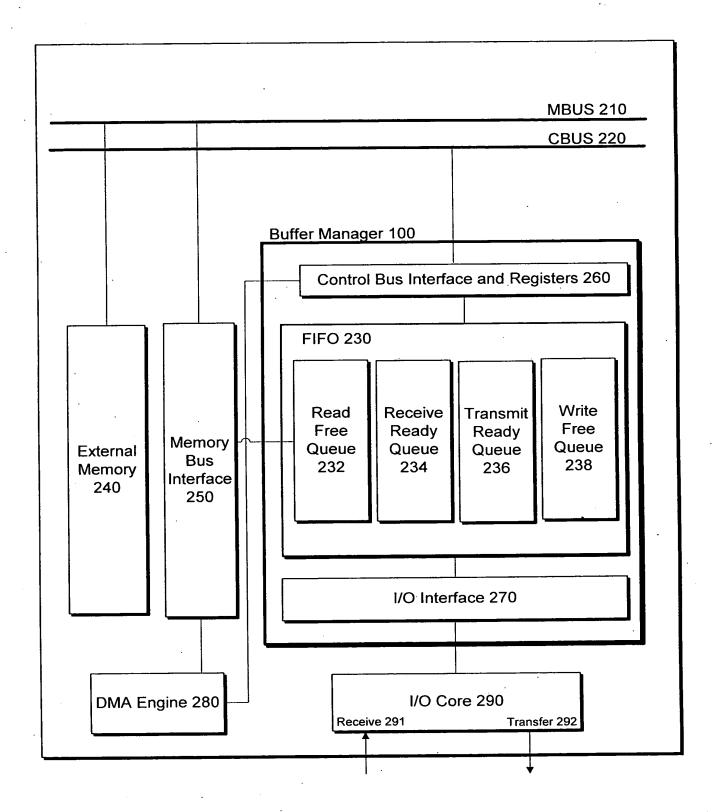
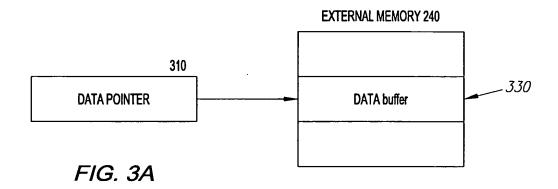


FIG. 2



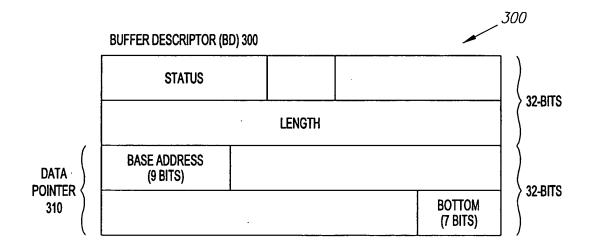
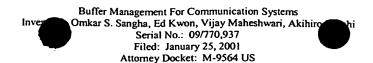
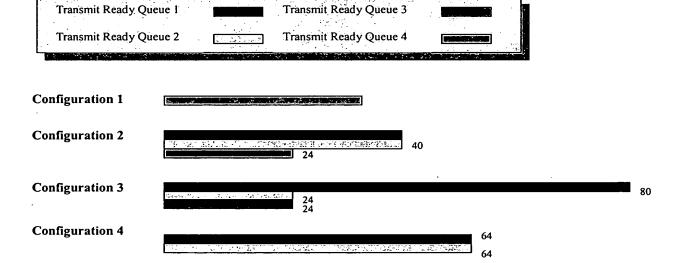


FIG. 3B



Configuration Bit 8 Bit:73 / Transmit@ueue#% / Depth 1-2 3-4 2-3

Transmit Ready Queue Configuration



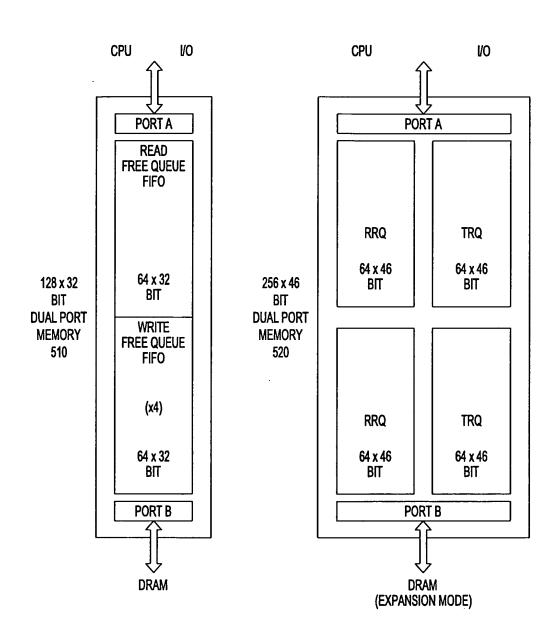
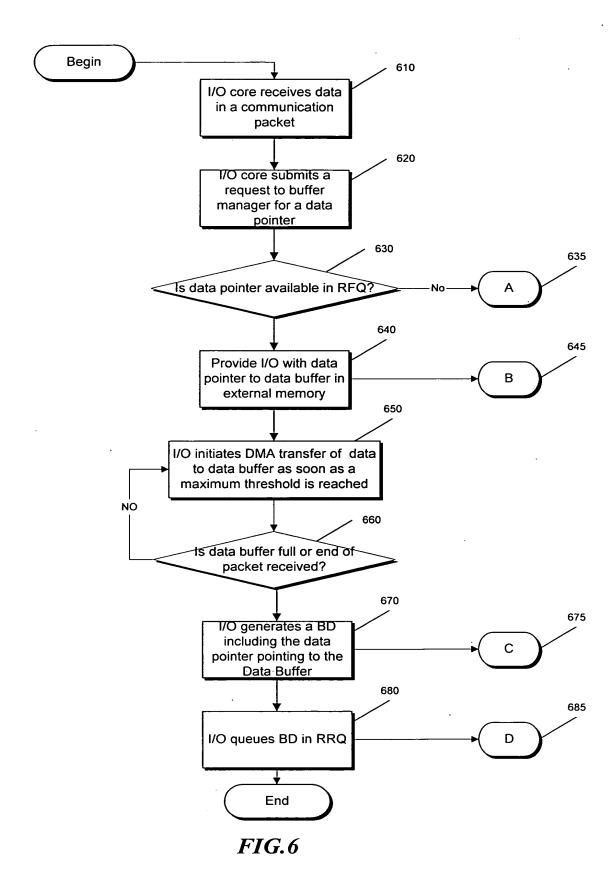


FIG. 5



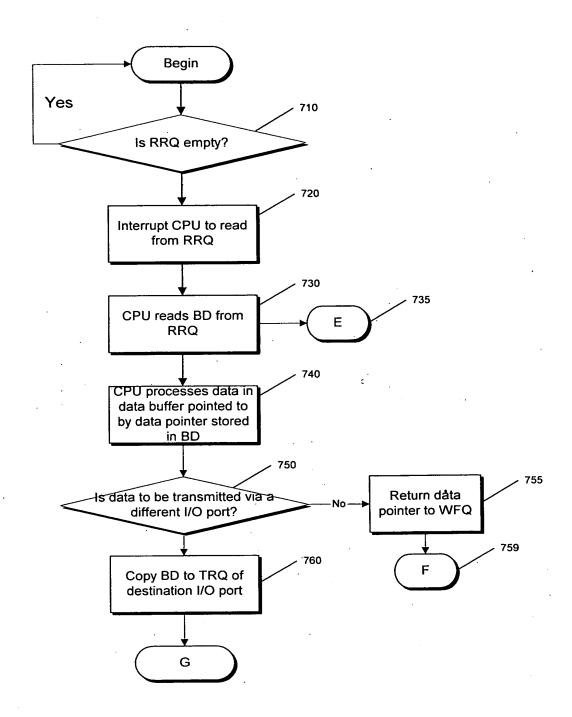


FIG.7

TOTALET SEPTIMENT

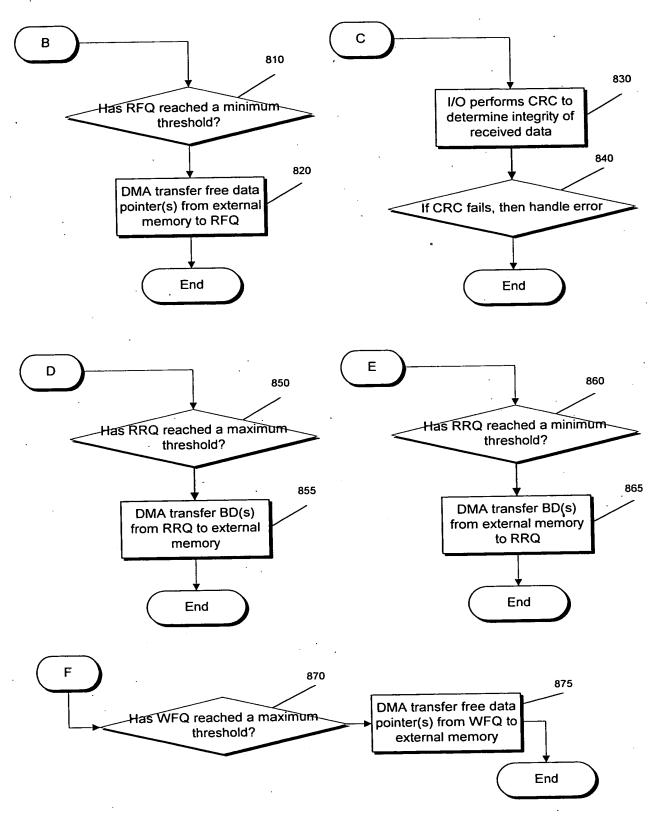
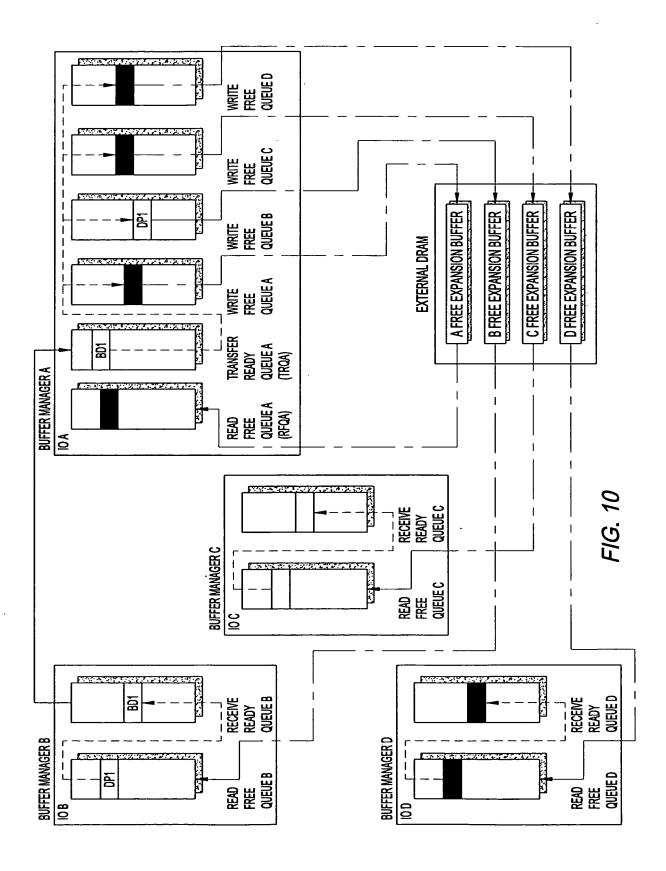


FIG.8

Begin 940 910 Application generates a Software application BD including the data constructs a pointer pointing to the communication packet **Data Buffer** 945 915 Software application Application queues BD submits a request to in TRQ according to buffer manager for a priority data pointer 950 920 922 I/O reads BD from Is data pointer available in RFQ? **TRQ** 955 925 957 927 I/O returns Data Provide application Pointer to WFQ with data pointer to В data buffer in external memory 930 960 I/O sends packet to destination Application copies data to data buffer via a DMA transfer NO 935 End is data buffer full or end of packet received?



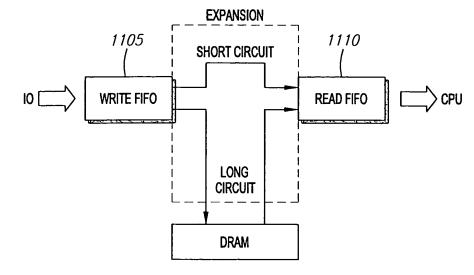


FIG. 11

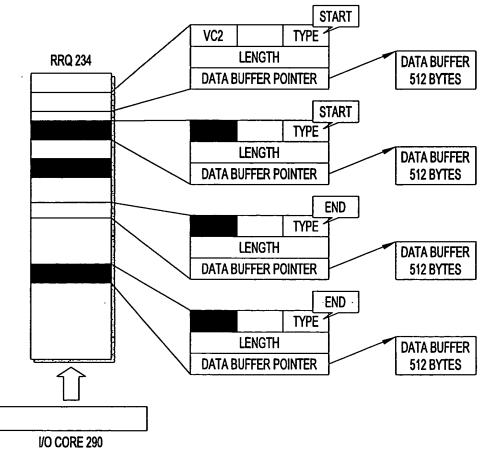


FIG. 12

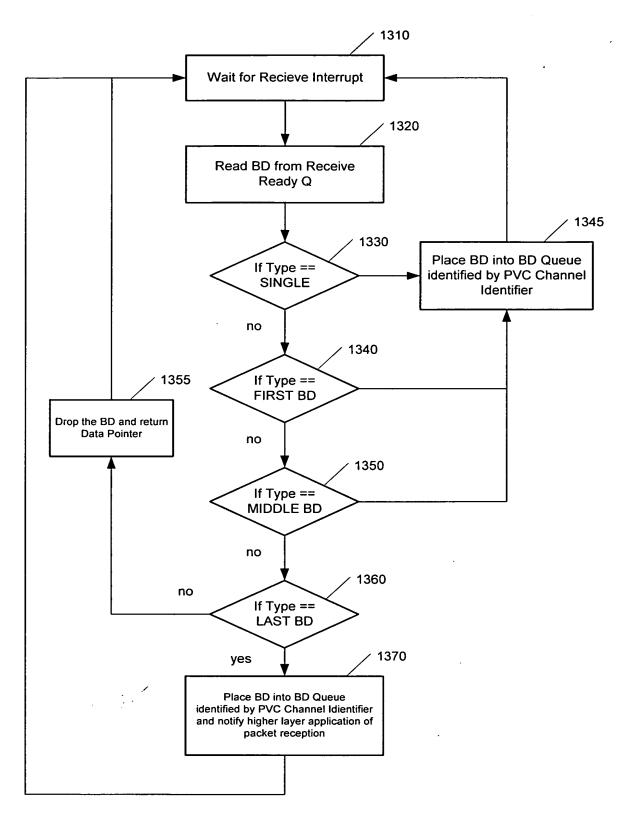


FIG. 13

` · A

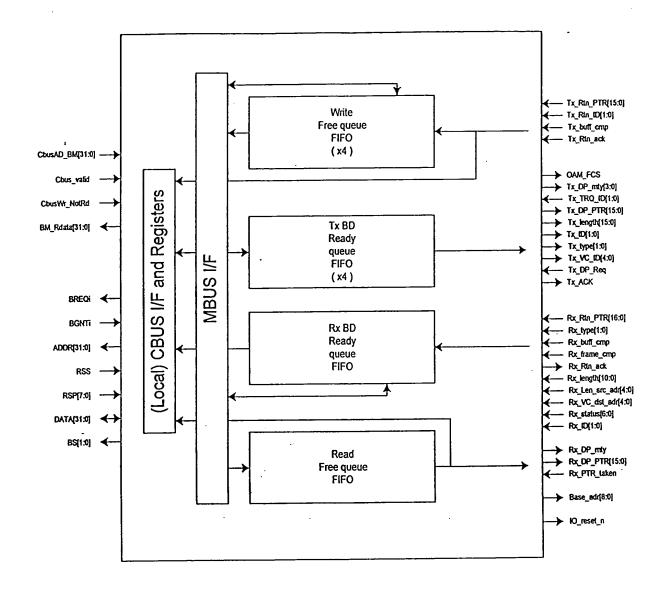


FIG. 14